

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. .... 09/865,941  
Filing Date ..... 05/25/2001  
Inventor ..... Zhang et al.  
Confirmation No. .... 6647  
Examiner ..... Brown, Rueben M.  
Group Art Unit ..... 2611  
Applicant ..... Microsoft Corporation  
Attorney's Docket No. .... MS1-0589US

Title: Resource Allocation in Multi-Stream IP Network  
for Optimized Quality of Service

**REPLY TO NON-FINAL OFFICE ACTION**

**DATED (MAILED) 10/05/2005**

**UNDER 37 CFR § 1.111**

To: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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## INTRODUCTORY COMMENTS

This Patent Application was filed on 05/21/2001 with claims 1-34. A Preliminary Amendment filed on 01/27/2005 canceled claims 19-32. After entry of the Preliminary Amendment, claims 1-18 and 33-34 were pending and presented for initial examination.

A current and Non-final Office Action was issued 10/05/2005. This current Office Action examined claims 1-18 and 33-34. Claims 1-3, 7, 10, 13, 14, 16-18, and 33-34 were rejected. Claims 4-6, 8-9, 11-12, and 15 were objected to.

This Reply cancels claims 1, 3, 7, 10, 14, and 33-34. Claims 35-38 are added. Hence, claims 2, 4-6, 8-9, 11-13, 15-18, and 35-38 are now pending and presented for examination.

1                    **AMENDMENT(S) TO THE WRITTEN DESCRIPTION**

2  
3                    Please replace the previous paragraph [0041] with the following new  
4 paragraph [0041]:

5  
6                    **[0041]**     Figure 2 depicts an implementation of an end-to-end  
7 framework for media streaming over the Internet seen at reference  
8 numeral 220. End-to-end transport control is adopted by using a  
9 Multimedia Streaming TCP-Friendly transport Protocol (MSFTP) seen  
10 at reference numerals 212 and 232. The MSFTP protocol is a rate-  
11 based TCP-friendly protocol that continuously monitors the  
12 connection between sender and receiver, which are depicted in Figure  
13 2, respectively, as Server 210 and Client 230. The results of the  
14 continuous monitoring of the connection are then used to regulate the  
15 bit transmission rate of Server 210.